Contents

NUMBER 1, JANUARY 2003

1 *A. U. J. Yap, Y. S. Pek & P. Cheang:* Physico-mechanical properties of a fast-set highly viscous GIC restorative

9 *M. J. Casas, D. J. Kenny & R. E. Macmillan:* Buccal and lingual activity during mastication and swallowing in typical adults

17 *K. G. Raphael, J. J. Marbach, J. J. Klausner, M. F. Teaford & D. K. Fischoff:* Is bruxism severity a predictor of oral splint efficacy in patients with myofascial face pain?

30 *M. Ohta, S. Minagi, T. Sato, M. Okamoto & M. Shimamura:* Magnetic resonance imaging analysis on the relationship between anterior disc displacement and balancing-side occlusal contact

34 *V. F. Ferrario, C. Sforza, C. Dellavia & G. M. Tartaglia:* Evidence of an influence of asymmetrical occlusal interferences on the activity of the sternocleidomastoid muscle

41 *Y. Akagawa, Y. Sato, E. R. Teixeira, N. Shindoi & M. Wadamoto:* A mimic osseointegrated implant model for three-dimensional finite element analysis

46 *A. S. Mcmillan, M. C. M. Wong, E. C. M. Lo & P. F. Allen:* The impact of oral disease among the institutionalized and non-institutionalized elderly in Hong Kong

55 *R. Tuominen:* Removable dentures provided by dentists, denturists and laboratory technicians

60 *M. Tanaka, T. Naito, M. Yokota & M. Kohno:* Finite element analysis of the possible mechanism of cervical lesion formation by occlusal force

68 *H. Sato, K. Fueki, S. Sueda, S. Sato, T. Shiozaki, M. Kato & T. Ohyama:* A new and simple method for evaluating masticatory function using newly developed artificial test food

74 *D. Truffier-Boutry, E. Place, J. Devaux & G. Leloup:* Interfacial layer characterization in dental composite

78 *D. Q. Taani & E. S. J. A. Alhaija:* Self-assessed bleeding as an indicator of gingival health among 12-14-year-old children

82 *A. Sengun, F. Ozer, N. Unlu & B. Ozturk:* Shear bond strengths of tooth fragments reattached or restored

Case reports

87 *M. Fukuda, T. Takahashi & M. Iino:* Dentoalveolar reconstruction of a missing premaxilla using bone graft and endosteal implants

91 *K. O. Braun, J. A. N. Mello, R. N. Rached & A. A. Del Bel Cury:* Surface texture and some properties of acrylic resins submitted to chemical polishing

99 *M. Toparli, H. Aykul & S. Sasaki:* Temperature and thermal stress analysis of a crowned maxillary second premolar tooth using three-dimensional finite element method

106 *M. Taira, Y. Araki, H. Nakao, J. Takahashi, S.-H. Hyon & S. Tsutsumi:* Cellular reactions to polylactide-based sponge and collagen gel in subcutaneous tissue

110 *D. S. M. Quteish Taani:* Periodontal reasons for tooth extraction in an adult population in Jordan

NUMBER 2, FEBRUARY 2003

113 *J. J. Marbach, K. G. Raphael, M. N. Janal & R. Hirschkorn-Roth:* Reliability of clinician judgements of bruxism

119 *H. Kajihara, S. Suzuki, H. Kurashige, Y. Minesaki & T. Tanaka:* Bonding abutments to cast metal post/cores: comparison of pre-treatment effects
125 *C. Jin, H. Nikawa, S. Makihira, T. Hamada, M. Furukawa & H. Murata:* Changes in surface roughness and colour stability of soft denture lining materials caused by denture cleansers
131 *E. P. Rocha, S. B. Francisco, A. A. Del Bel Cury & J. A. Cury:* Longitudinal study of the influence of removable partial denture and chemical control on the levels of *Streptococcus mutans* in saliva
139 *S. Hiyama, T. Ono, Y. Ishiwata, Y. Kato & T. Kuroda:* First night effect of an interocclusal appliance on nocturnal masticatory muscle activity
146 *S. Sato, K. Fueki, H. Sato, S. Sueda, T. Shiozaki, M. Kato & T. Ohyama:* Validity and reliability of a newly developed method for evaluating masticatory function using discriminant analysis
152 *N. Ueki, E. Tanaka, M. Watanabe, K. Wakida, O. Takahashi, T. Uchida & K. Tanne:* Postnatal development of protein gene product 9·5 and calcitonin gene-related peptide immunoreactive nerve fibres in rat temporomandibular joint disc
160 *J. W. Nicholson, B. Czarnecka & H. Limanowska-Shaw:* The interaction of glass–ionomer cements containing vinylphosphonic acid with water and aqueous lactic acid
165 *N. Hochman, L. Mitelman, P. E. Hadani & M. Zalkind:* A clinical and radiographic evaluation of fixed partial dentures (FPDs) prepared by dental school students: a retrospective study
171 *A. U. J. Yap & S. H. Teoh:* Comparison of flexural properties of composite restoratives using the ISO and mini-flexural tests
178 *T. Itota, Y. Torii, S. Nakabo, Y. Tashiro, N. Konishi, M. Nagamine & M. Yoshiyama:* Effect of fluoride-releasing adhesive system on decalcified dentin
184 *T. Nakamura, O. Saito, M. Mizuno, S. Kinuta & S. Ishigaki:* Influence of abutment substrates on the colour of metal-free polymer crowns
189 *H.-K. Kim, Y.-S. Lee, H.-S. Kho, K.-W. Yum & S.-C. Chung:* Facial and glossal distribution of anaesthesia after inferior alveolar nerve block

Review Article

194 *M. Özcan:* Evaluation of alternative intra-oral repair techniques for fractured ceramic-fused-to-metal restorations
204 *M. Hammadeh & J. S. Rees:* A comparison of the erosive susceptibility of cuspal and cervical enamel using an ultrasonic technique
211 *I. Uhač, Z. Kovač, M. Valentić-Peruzović, M. Juretić, L. J. Moro & R. Gržić:* The influence of war stress on the prevalence of signs and symptoms of temporomandibular disorders
218 *G. Özgünaltay, A. R. Yazici & J. Görücü:* Effect of finishing and polishing procedures on the surface roughness of new tooth-coloured restoratives

NUMBER 3, MARCH 2003

225 *M. Naeije:* Measurement of condylar motion: a plea for the use of the condylar kinematic centre
231 *D. Jagger, A. Harrison, R. Jagger & P. Milward:* The effect of the addition of poly(methyl methacrylate) fibres on some properties of high strength heat-cured acrylic resin denture base material
236 *A. U. J. Yap, K. C. Shah & C. L. Chew:* Marginal gap formation of composites in dentine: effect of water storage

243 *H. Nikawa, C. Jin, S. Makihira, H. Egusa, T. Hamada & H. Kumagai:* Biofilm formation of *Candida albicans* on the surfaces of deteriorated soft denture lining materials caused by denture cleansers *in vitro*
251 *J.-H. Yoo, H.-S. Kho, Y.-K. Kim, S.-W. Lee & S.-C. Chung:* Experimental salivary pellicles formed on the surface of self-curing resin
260 *M. Morita, K. Nishi, T. Kimura, M. Fukushima, T. Watanabe, F. Yamashita, R. Zhou, J. Yang & X. Xu:* Correlation between periodontal status and biting ability in Chinese adult population

Review

265 *M. Özcan:* Fracture reasons in ceramic-fused-to-metal restorations
270 *K. Sakaguchi, T. Kawasaki & O. Araki:* Time-series analyses of mandibular and perioral soft tissue movements during mastication
278 *S. Okiyama, K. Ikebe & T. Nokubi:* Association between masticatory performance and maximal occlusal force in young men
283 *C. R. Pedroni, A. S. De Oliveira & M. I. Guaratini:* Prevalence study of signs and symptoms of temporomandibular disorders in university students
290 *M. Özcan, Y. Kulak & E. Kazazoglu:* The effect of disinfectant agents in eliminating the contamination of dental unit water
295 *T. Fujii:* The relationship between the occlusal interference side and the symptomatic side in temporomandibular disorders
301 *S. Sueda, K. Fueki, S. Sato, H. Sato, T. Shiozaki, M. Kato & T. Ohyama:* Influence of working side contacts on masticatory function for mandibular distal extension removable partial dentures
307 *H. Karibe, K. Ogata, Y. Hasegawa & K. Ogihara:* Relation between clenching strength and occlusal force distribution in primary dentition
312 *M. A. Abdullah & Y. F. Talic:* The effect of custom tray material type and fabrication technique on tensile bond strength of impression material adhesive systems
318 *S. Yamashita, Y. Igarashi & M. Ai:* Tooth contacts at the mandibular retruded position, influence of operator's skill on bite registration
324 *M. Yoshida, I. Nakajima, A. Uchida, T. Yamaguchi & M. Akasaka:* Effect of nitrous oxide on dental patients with cerebral palsy – using an electromyogram (EMG) from orofacial muscles as an index

NUMBER 4, APRIL 2003

335 *S. E. Widmalm, W. J. Williams, D. Djurdjanovic & D. C. McKay:* The frequency range of TMJ sounds
347 *R. Tuominen:* Clinical quality of removable dentures provided by dentists, denturists and laboratory technicians
353 *R. Polansky, M. Haas, M. Lorenzoni, G. Wimmer & C. Pertl:* The effect of three different periodontal pre-treatment procedures on the success of telescopic removable partial dentures
364 *R. G. Jagger, P. J. Milward, D. C. Jagger & R. W. Vowles:* Accuracy of adaptation of thermoformed poly(methyl methacrylate)
369 *L. Jorkjend, A. Johansson, A.-K. Johansson & A. Bergenholtz:* Periodontitis, caries and salivary factors in Sjögren's syndrome patients compared to sex- and age-matched controls
379 *H. Ioi, A. L. Counts & R. S. Nanda:* Condylar movement analysis in subjects with clinically normal temporomandibular joints, utilizing an amorphous sensor
386 *M. Stiesch-Scholz, M. Fink & H. Tschernitschek:* Comorbidity of internal derangement of the temporomandibular joint and silent dysfunction of the cervical spine

392 *Y. Oguri, K. Yamada, T. Fukui, K. Hanada & S. Kohno:* Mandibular movement and frontal craniofacial morphology in orthognathic surgery patients with mandibular deviation and protrusion
401 *I. Brandlmaier, S. Grüner, A. Rudisch, S. Bertram & R. Emshoff:* Validation of the clinical diagnostic criteria for temporomandibular disorders for the diagnostic subgroup of degenerative joint disease
407 *B. T. Amaechi, S. M. Higham & W. M. Edgar:* Influence of abrasion in clinical manifestation of human dental erosion
414 *M. Morishita, M. Sakemi, M. Tsutsumi & S. Gake:* Effectiveness of an oral health promotion programme at the workplace
418 *Y.-K. Lee, B.-S. Lim & C.-W. Kim:* Mechanical properties of calcium phosphate based dental filling and regeneration materials
426 *M. Dartar Öztan, Ş. Yilmaz, A. Kalayci & L. Zaimoğlu:* A comparison of the *in vitro* cytotoxicity of two root canal sealers
430 *S. Bertram, G. Bodner, A. Rudisch, I. Brandlmaier & R. Emshoff:* Effect of scanning level and muscle condition on ultrasonographic cross-sectional measurements of the anterior masseter muscle
436 *H. Solak & M. D. Öztan:* The pH changes of four different calcium hydroxide mixtures used for intracanal medication
440 *D. Q. Taani, R. Habashneh, M. M. Hammad & A. Batieha:* The periodontal status of pregnant women and its relationship with socio-demographic and clinical variables
446 Corrigendum

NUMBER 5, MAY 2003

447 *C. Vanzeveren, W. D'Hoore, P. Bercy & G. Leloup:* Treatment with removable partial dentures: a longitudinal study. Part I
459 *C. Vanzeveren, W. D'Hoore, P. Bercy & G. Leloup:* Treatment with removable partial dentures: a longitudinal study. Part II
470 *M. Toparli:* Stress analysis in a post-restored tooth utilizing the finite element method
477 *D. Ziskind, J. Gleitman, I. Rotstein & M. Friedman:* Evaluation of cetylpyridinium chloride for infection control in storage solution
482 *M. Saito, Y. Miura, K. Notani & T. Kawasaki:* Stress distribution of abutments and base displacement with precision attachment- and telescopic crown-retained removable partial dentures
488 *T. Attin, A. Manolakis, W. Buchalla & C. Hannig:* Influence of tea on intrinsic colour of previously bleached enamel
495 *S. E. Widmalm, D. Djurdjanovic & D. C. McKay:* The dynamic range of TMJ sounds
501 *L. I. Rantala, T. M. Lastumäki, T. Peltomäki & P. K. Vallittu:* Fatigue resistance of removable orthodontic appliance reinforced with glass fibre weave
507 *B. N. Prathibha, R. G. Jagger, M. Saunders & A. P. Smith:* Use of a mandibular advancement device in obstructive sleep apnoea
510 *T. Wille, I. J. Pesun, E. C. Combe, G. C. Lindquist & J. S. Hodges:* A clinical pilot study of the time-dependent composition of tooth bleaching systems
515 *M. Hossain, Y. Nakamura, Y. Tamaki, Y. Yamada, Y. Murakami & K. Matsumoto:* Atomic analysis and knoop hardness measurement of the cavity floor prepared by Er,Cr:YSGG laser irradiation *in vitro*
522 *G. Nishigawa, N. Natsuaki, Y. Maruo, M. Okamoto & S. Minagi:* Galvanic skin response of oral cancer patients during speech
526 *T. Kojima, T. Sohmura, M. Nagao, K. Wakabayashi, T. Nakamura & J. Takahashi:* A preliminary report on a computer-assisted dental cast analysis system used for the prosthodontic treatment

532 *A. C. Pavarina, A. C. Pizzolitto, A. L. Machado, C. E. Vergani & E. T. Giampaolo:* An infection control protocol: effectiveness of immersion solutions to reduce the microbial growth on dental prostheses

537 *R. Emshoff, I. Brandlmaier, S. Bertram & A. Rudisch:* Risk factors for temporomandibular joint pain in patients with disc displacement without reduction – a magnetic resonance imaging study

544 *S. Hikage, K. Nakayama, T. Saito, Y. Takahashi, T. Kamataki, S. Suzuki, T. Hongo & A. Sato:* Cytotoxicity of bisphenol A glycidyl methacrylate on cytochrome P450-producing cells

550 *A. Sengun, B. Ozturk & F. Ozer:* The effect of simulated intrapulpal pressure on bond strength to enamel and dentine

556 *H. G. Neto, M. S. M. Cândido, A. L. R. Júnior & P. P. N. S. Garcia:* Analysis of depth of the microporosity in a nickel–chromium system alloy – effects of electrolytic, chemical and sandblasting etching

NUMBER 6, JUNE 2003

559 *R. Frankenberger, S. Roth, N. Krämer, M. Pelka & A. Petschelt:* Effect of preparation mode on Class II resin composite repair

565 *I. Takagi & K. Sakurai:* Investigation of the factors related to the formation of the buccal mucosa ridging

573 *A. L. Roark, A. G. Glaros & A. M. O'Mahony:* Effects of interocclusal appliances on EMG activity during parafunctional tooth contact

578 *M. Saifuddin, K. Miyamoto, H. M. Ueda, N. Shikata & K. Tanne:* An electromyographic evaluation of the bilateral symmetry and nature of masticatory muscle activity in jaw deformity patients during normal daily activities

587 *J. Nissan, E. Barnea, C. Zeltzer & H. S. Cardash:* Relationship between occlusal plane determinants and craniofacial structures

592 *O. Komiyama, T. Asano, H. Suzuki, M. Kawara, M. Wada, K. Kobayashi & S. Ohtake:* Mandibular condyle movement during mastication of foods

601 *J. W. Nicholson, E. Gjorgievska, B. Bajraktarova & M. A. Mckenzie:* Changes in properties of polyacid-modified composite resins (compomers) following storage in acidic solutions

608 *G. Nishigawa, N. Natsuaki, Y. Maruo, M. Okamoto & S. Minagi:* Visual observation of the dynamic flow of elastomer rubber impression material between the impression tray and oral mucosa while seating the impression tray

614 *T. Tamura, T. Kanayama, S. Yoshida & T. Kawasaki:* Functional magnetic resonance imaging of human jaw movements

623 *G. M. Marchi, L. A. M. S. Paulillo, L. A. F. Pimenta & F. A. P. De Lima:* Effect of different filling materials in combination with intraradicular posts on the resistance to fracture of weakened roots

630 *S. D. Yaman, M. Şahin & C. Aydin:* Finite element analysis of strength characteristics of various resin based restorative materials in Class V cavities

642 *S. Umino, G. Masuda & K. Fujita:* Masticatory performance with a prosthesis following maxillectomy: an analysis of 43 cases

646 *G. Nishigawa, T. Matsunaga, Y. Maruo, M. Okamoto, N. Natsuaki & S. Minagi:* Finite element analysis of the effect of the bucco-lingual position of artificial posterior teeth under occlusal force on the denture supporting bone of the edentulous patient

653 *H. Matsumura, N. Tanoue, H. Yanagida, M. Atsuta, M. Koike & T. Yoneyama:* Adhesive bonding of super-elastic titanium–nickel alloy castings with a phosphate metal conditioner and an acrylic adhesive

659 *F. Özer, N. Ünlü & A. Sengun:* Influence of dentinal regions on bond strengths of different adhesive systems
664 *A. Kiremitci & S. Bolay:* A 3-year clinical evaluation of a gallium restorative alloy
668 *V. J. Miller, V. V. Karic, S. L. Myers & L. Bodner:* Following treatment of myogenous TMD patients with the temporomandibular opening index: an initial report

NUMBER 7, JULY 2003

671 *C. E. Besimo & A. Guarneri: In vitro* retention force changes of prefabricated attachments for overdentures
679 *A. Ellakwa, A. Shortall & P. Marquis:* Influence of fibre position on the flexural properties and strain energy of a fibre-reinforced composite
683 *P. Dionysopoulos, P. Gerasimou & K. Tolidis:* The effect of home-use fluoride gels on glass–ionomer, compomer and composite resin restorations
690 *A. Hoekema, B. Hovinga, B. Stegenga & L. G. M. De Bont:* Craniofacial morphology and obstructive sleep apnoea: a cephalometric analysis
697 *M. Taira, H. Nakao, J. Takahashi & Y. Araki:* Effects of two vitamins, two growth factors and dexamethasone on the proliferation of rat bone marrow stromal cells and osteoblastic MC3T3-E1 cells
702 *N. Hochman, I. Feinzaig & M. Zalkind:* Effect of design of pre-fabricated posts and post heads on the retention of various cements and core materials
708 *S. Sato, F. Nasu & K. Motegi:* Analysis of kinesiograph recordings and masticatory efficiency after treatment of non-reducing disk displacement of the temporomandibular joint
714 *D. Pedrini, M. S. M. Candido & A. L. Rodrigues Jr:* Analysis of surface roughness of glass–ionomer cements and compomer

Short Communication

720 *T. E. Albert Jr, P. H. Buschang & G. S. Throckmorton:* Masticatory performance: a protocol for standardized production of an artificial test food
723 *S. Deb, R. Mallett & B. Millar:* The effect of curing with plasma light on the shrinkage of dental restorative materials
729 *X. Hu, P. M. Marquis & A. C. Shortall:* Influence of filler loading on the two-body wear of a dental composite
738 *A. M. Şahin Sağlam:* The condylar asymmetry measurements in different skeletal patterns
743 *R. Tuominen:* Oral health in relation to wearing removable dentures provided by dentists, denturists and laboratory technicians
749 *A. C. Pavarina, C. E. Vergani, A. L. Machado, E. T. Giampaolo & M. T. Teraoka:* The effect of disinfectant solutions on the hardness of acrylic resin denture teeth
753 *N. Gençoglu, C. Türkmen & R. Ahiskali:* A new silicon-based root canal sealer (Roekoseal®-Automix)
758 *G. Saygili & S. Şahmali:* Effect of ceramic surface treatment on the shear bond strengths of two resin luting agents to all-ceramic materials

NUMBER 8, AUGUST 2003

765 *T. I. Suvinen, P. C. Reade, M. Könönen & P. Kemppainen:* Vertical jaw separation and masseter muscle electromyographic activity a comparative study between asymptomatic controls & patients with temporomandibular pain & dysfunction

773 *G. Ansari, J. A. Beeley & D. E. Fung:* Chemomechanical caries removal in primary teeth in a group of anxious children
780 *R. E. Kerby, A. Tiba, L. A. Knobloch, S. R. Schricker & O. Tiba:* Fracture toughness of modified dental resin systems
785 *P. A. King, D. J. Setchell & J. S. Rees:* Clinical evaluation of a carbon fibre reinforced carbon endodontic post
790 *N. Konishi, Y. Torii, A. Kurosaki, T. Takatsuka, T. Itota & M. Yoshiyama:* Confocal laser scanning microscopic analysis of early plaque formed on resin composite and human enamel
796 *I. Brandlmaier, A. Rudisch, G. Bodner, S. Bertram & R. Emshoff:* Temporomandibular joint internal derangement detection with 12·5 MHz ultrasonography
802 *M. Taira, S. Toyosawa, N. Ijyuin, J. Takahashi & Y. Araki:* Studies on osteogenic differentiation of rat bone marrow stromal cells cultured in type I collagen gel by RT-PCR analysis
808 *H. Miura, K. Yamasaki, M. Kariyasu, K. Miura & Y. Sumi:* Relationship between cognitive function and mastication in elderly females
812 *I. Brandlmaier, S. Bertram, A. Rudisch, G. Bodner & R. Emshoff:* Temporomandibular joint osteoarthrosis diagnosed with high resolution ultrasonography versus magnetic resonance imaging: how reliable is high resolution ultrasonography?
818 *A. Imanishi, T. Nakamura, T. Ohyama & T. Nakamura:* 3-D Finite element analysis of all-ceramic posterior crowns
823 *B. J. Sindelar, S. W. Herring & T. A. Alonzo:* The effects of intraoral splints on the masticatory system of pigs
832 *N. Tanoue, M. Atsuta & H. Matsumura:* Properties of a new photo-activated composite polymerized with three different laboratory photo-curing units
837 *M. P. Walker, P. Spencer & J. D. Eick:* Effect of simulated resin-bonded fixed partial denture clinical conditions on resin cement mechanical properties
847 *D. Knezović Zlatarić, A. Čelebić, M. Valentić -Peruzović, V. Jerolimov & J. Pandurić:* A survey of treatment outcomes with removable partial dentures
855 *D. Yilmaz & D. Gemalmaz:* Clinical evaluation of class II Targis inlays: preliminary results after 1 year

NUMBER 9, SEPTEMBER 2003

861 *K. E. Polland, F. Higgins & R. Orchardson:* Salivary flow rate and pH during prolonged gum chewing in humans
866 *P. Dionysopoulos, N. Kotsanos & A. Pataridou:* Fluoride release and uptake by four new fluoride releasing restorative materials
873 *M. Rosentritt, M. Behr & G. Handel:* Fixed partial dentures:all-ceramics, fibre-reinforced composites and experimental systems
878 *R. Ciancaglini, G. Colombo-Bolla, E. F. Gherlone & G. Radaelli:* Orientation of craniofacial planes and temporomandibular disorder in young adults with normal occlusion
887 *P. K. Vallittu & H. Kurunmäki:* Bond strength of fibre-reinforced composite to the metal surface
893 *E. Kontonasaki, L. Papadopoulou, T. Zorba, E. Pavlidou, K. Paraskevopoulos & P. Koidis:* Apatite formation on dental ceramics modified by a bioactive glass
903 *D. C. Jagger, Y. R. Alshumailin, A. Harrison & J. S. Rees:* The effect of the addition of poly (methyl methacrylate) fibres on the transverse strength of repaired heat-cured acrylic resin

909 *J. G. C. Luz, L. Rodrigues, I. Chilvarquer & J. M. P. Soler:* Mineralization of stylohyoid ligament complex in patients with temporomandibular disorders and asymptomatic individuals:a comparative study
914 *M. Yamaoka, K. Furusawa, T. Uematsu, N. Okafuji, D. Kayamoto & S. Kurihara:* Relationship of the hyoid bone and posterior surface of the tongue in prognathism and micrognathia
921 *M. Toparli & S. Sasaki:* Finite element analysis of the temperature and thermal stress in a postrestored tooth
927 *A. Ohara, Y. Tsukiyama, T. Ogawa & K. Koyano:* A simplified sieve method for determining masticatory performance using hydrocolloid material
936 *R. De Castro Albuquerque, L. T. De Abreu Polleto, R. H. B. T. S. Fontana & C. A. Cimini Jr. :* Stress analysis of an upper central incisor restored with different posts
944 *N. J. Nassif, F. Al-Salleeh & M. Al-Admawi:* The prevalence and treatment needs of symptoms and signs of temporomandibular disorders among young adult males
951 *S. Sevimay & D. Dalat:* Evaluation of penetration and adaptation of three different sealers:a SEM study

NUMBER 10, OCTOBER 2003

957 *B. Cherkasski & P. R. Wilson:* The effect of oscillation, low seating force and dentine surface treatment on pulpward pressure transmission during crown cementation: a laboratory study
964 *R. M. Daly, R. J. F. Elsner, P. F. Allen & F. M. Burke:* Associations between self-reported dental status and diet
971 *M. Zalkind, P. Ever-Hadani & N. Hochman:* Resin-bonded fixed partial denture retention: a retrospective 13-year follow-up
978 *Y. Y. Shiau, C. C. Peng, S. C. Wen, L. D. Lin, J. S. Wang & K. L. Lou:* The effects of masseter muscle pain on biting performance
985 *K. Tsuga, R. Hayashi, Y. Sato & Y. Akagawa:* Handy measurement for tongue motion and coordination with laryngeal elevation at swallowing
990 *J. M. F. Varela, N. B. Castro, B. M. Biedma, J. L. Da Silva Domínguez, J. S. Quintanilla, F. M. Muñoz, U. S. Penín & J. G. Bahillo:* A comparison of the methods used to determine chewing preference
995 *T. Mizumori, T. Tsubakimoto, M. Iwasaki & T. Nakamura:* Masticatory laterality – evaluation and influence of food texture
1000 *S. Idriss, C. Habib, T. Abduljabbar & R. Omar:* Marginal adaptation of class II resin composite restorations using incremental and bulk placement techniques: an ESEM study
1008 *S. A. M. Corona, M. C. Borsatto, J. D. Pecora, R. A. S. De SÁ Rocha, T. S. Ramos & R. G. Palma-Dibb:* Assessing microleakage of different class V restorations after Er:YAG laser and bur preparation
1015 *N. Tanoue, Y. Koishi, M. Atsuta & H. Matsumura:* Properties of dual-curable luting composites polymerized with single and dual curing modes
1022 *S. Hikage, Y. Hirose, N. Sawada, K. Endo & H. Ohno:* Clinical longevity of resin-bonded bridges bonded using a vinyl-thiol primer
1030 *H. M. Ueda, H. Tabe, M. Kato, K. Nagaoka, Y. Nakashima, N. Shikata & K. Tanne:* Effects of activator on masticatory muscle activity during daytime and sleep
1036 *S.-O. Hedlund, N. G. Johansson & G. Sjögren:* A retrospective study of pre-fabricated carbon fibre root canal posts
1041 *H. Hayasaki, I. Saitoh, G. S. Throckmorton, Y. Iwase, S. Nakata & M. Nakata:* Occlusal phase of gum-chewing strokes

1047 *S. Sevimay, A. Kalayci & S. Yilmaz:* *In vitro* diffusion of hydroxyl ions through root dentine from various calcium hydroxide medicaments

NUMBER 11, NOVEMBER 2003

1053 *S. Wolfart, J. Linnemann & M. Kern:* Crown retention with use of different sealing systems on prepared dentine
1062 *T. Ogawa, T. Ogimoto, K. Sumiyoshi & K. Koyano:* Pressure–pain threshold of oral mucosa and its region-specific modulation by pre-loading
1070 *K. Kikuchi, S. Takeuchi, E. Tanaka, T. Shibaguchi & K. Tanne:* Association between condylar position, joint morphology and craniofacial morphology in orthodontic patients without temporomandibular joint disorders
1076 *M. Eisenburger & M. Addy:* Influence of liquid temperature and flow rate on enamel erosion and surface softening
1081 *G. Nishigawa, Y. Maruo, M. Oka, K. Oki, S. Minagi & M. Okamoto:* Plasma treatment increased shear bond strength between heat cured acrylic resin and self-curing acrylic resin
1085 *A. C. Pavarina, A. L. Machado, E. T. Giampaolo & C. E. Vergani:* Effects of chemical disinfectants on the transverse strength of denture base acrylic resins
1090 *R. Banu Ermiş & N. Gokay:* Effect of fluorosis on dentine shear bond strength of a self-etching bonding system
1095 *I. M. Ali, K. Yamada, B. Alkhamrah, R. Vergara & K. Hanada:* Relationship between occlusal curvatures and mandibular deviation in orthodontic patients with temporomandibular disorders
1104 *V. M. B. De Oliveira, B. L. T. Léon, A. A. Del Bel Cury & S. Consani:* Influence of number and position of flasks in the monomer release, Knoop hardness and porosity of a microwave-cured acrylic resin
1109 *P. Sondang, H. Kumagai, E. Tanaka, H. Ozaki, H. Nikawa, K. Tanne & T. Hamada:* Correlation between maximum bite force and craniofacial morphology of young adults in Indonesia
1118 *C. Millet, C. Jeannin, B. Vincent & G. Malquarti:* Report on the determination of occlusal vertical dimension and centric relation using swallowing in edentulous patients
1123 *E. C. N. Teixeira, A. T. Hara, C. P. Turssi & M. C. Serra:* Effect of non-vital tooth bleaching on microleakage of coronal access restorations
1128 *M. Watanabe, E. Tanaka, S. Suemune, T. Satoda, N. Maeda, T. Uchida & K. Tanne:* Expression of c-Fos protein in the trigeminal nuclear complex resulting from quantified force application to the rat molar
1138 *H. Hayasaki, T. Sawami, I. Saitoh, Y. Iwase, S. Nakata & M. Nakata:* Length of the occlusal glide during chewing in children with primary dentition
1142 *F. Keyf, G. Uzun & M. Mutlu:* The effects of HEMA-monomer and air atmosphere treatment of glass fibre on the transverse strength of a provisional fixed partial denture resin

NUMBER 12, DECEMBER 2003

1149 *D. Bartlett:* Tribute to Arnold Franks
1150 *B. Yemm:* Thank you, Arnold
1151 *I. A. Pretty, G. S. Ingram, E. A. Agalamanyi, W. M. Edgar & S. M. Higham:* The use of fluorescein-enhanced quantitative light-induced fluorescence to monitor de- and re-mineralization of *in vitro* root caries

1157 *G. J. Pronych, E. J. Sutow & O. Sykora:* Dimensional stability and dehydration of a thermoplastic polycarbonate-based and two PMMA-based denture resins
1162 *F. Demirel, G. Saygili & S. Şahmali:* Corrosion susceptibility of titanium covered by dental cements
1168 *R. Emshoff, I. Emshoff, A. Rudisch & S. Bertram:* Reliability and temporal variation of masseter muscle thickness measurements utilizing ultrasonography
1173 *J. Nissan, E. Barnea, C. Zeltzer & H. S. Cardash:* Relationship between the craniofacial complex and size of the resorbed mandible in complete denture wearers
1177 *A. R. Yazici, P. Atılla, G. Özgünaltay & S. Müftüoglu: In vitro* comparison of the efficacy of Carisolv™ and conventional rotary instrument in caries removal
1183 *S. A. M. Corona, T. N. do Nascimento, A. B. E. Catirse, R. F. Z. Lizarelli, W. Dinelli & R. G. Palma-Dibb:* Clinical evaluation of low-level laser therapy and fluoride varnish for treating cervical dentinal hypersensitivity
1190 *N. M. Başeren & S. Gokalp:* Validity of a laser fluorescence system (DIAGNOdent) for detection of occlusal caries in third molars: an *in vitro* study
1195 *P. Moipolai, V. V. Karic & V. J. Miller:* The effect of the gonial angle, ramus length, age and gender on the temporomandibular opening index
1200 *N. M. A. Farsi:* Symptoms and signs of temporomandibular disorders and oral parafunctions among Saudi children
1209 *E. Nitta, Y. Iwasa, M. Sugita, C. Hirono & Y. Shiba:* Role of mastication and swallowing in the control of autonomic nervous activity for heart rate in different postures
1216 *P. Dionysopoulos, N. Kotsanos, E. Koliniotou-Koubia & K. Tolidis:* Inhibition of demineralization *in vitro* around fluoride releasing materials heart rate in different postures

1223 Index to volume 30